



Human interleukin-1 receptor-associated kinase 4(IRAK-4)ELISA Kit

Product Code	CSB-E16338h
Abbreviation	IRAK4
Protein Biological Process 1	Immunity
Target Name	interleukin-1 receptor-associated kinase 4
Uniprot No.	Q9NWZ3
Alias	IPD1, NY-REN-64, REN64
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Immunity
Sample Types	serum, plasma, tissue homogenates
Detection Range	6.25 pg/mL-400 pg/mL
Sensitivity	1.56 pg/mL
Assay Time	1-5h
Sample Volume	50-100ul
Detection Wavelength	450 nm
Lead Time	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
Research Area	Immunology
Gene Names	IRAK4
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human IRAK4 ELISA Kit was designed for the quantitative measurement of Human IRAK4 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 6.25 pg/mL-400 pg/mL and the sensitivity is 1.56 pg/mL.
Product Precision	Intra-assay Precision (Precision within an assay): CV%<8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV%<10%



Three samples of known concentration were tested in twenty assays to assess.

Linearity

To assess the linearity of the assay, samples were spiked with high concentrations of human IRAK-4 in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

?	Sample	Serum(n=4)
	Average %	92
1:5	Range %	86-96
	Average %	107
1:10	Range %	103-111
	Average %	92
1:20	Range %	87-98
	Average %	88
1:40	Range %	84-93

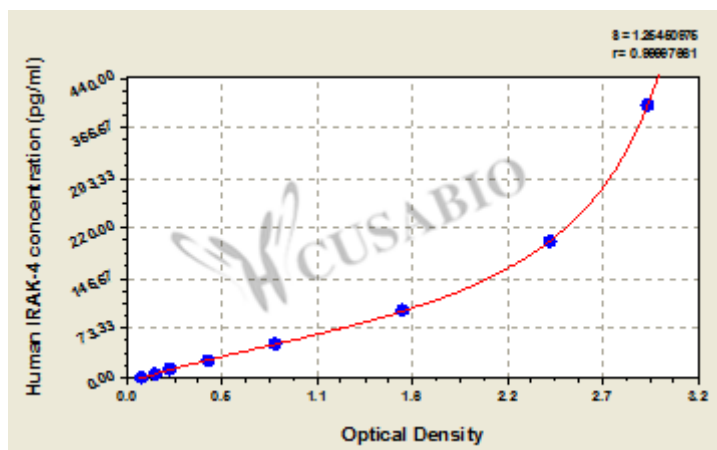
Recovery

The recovery of human IRAK-4 spiked to levels throughout the range of the assay in various matrices was evaluated. Samples were diluted prior to assay as directed in the Sample Preparation section.

Sample Type	Average % Recovery	Range
Serum (n=5)	87	83-92
EDTA plasma (n=4)	102	97-105

Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



pg/ml	OD1	OD2	Average	Corrected
400	2.987	2.920	2.954	2.867
200	2.485	2.315	2.400	2.313
100	1.578	1.564	1.571	1.484
50	0.852	0.843	0.848	0.761
25	0.473	0.467	0.470	0.383
12.5	0.255	0.245	0.250	0.163
6.25	0.169	0.161	0.165	0.078
0	0.087	0.086	0.087	?

Msds

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